

CLAIMS

I claim:

1. A fluid dispensing spray tip comprising:
a body defining a passageway for a fluid, said passageway terminating in a concave semispherical surface formed in said at least one wall, said semispherical surface intersecting a V-groove formed in said body and forming an elongated aperture for dispensing the fluid therethrough.
2. The fluid dispensing spray tip as in claim 1, in which a pair of diverging shaping lips extend from said aperture and shape the fluid dispended through said aperture.
3. The fluid dispensing spray tip as in claim 2, in which said pair of diverging lips are aligned with said V-groove to form a pair of continuous diverging walls extending from said semispherical surface.
4. The fluid dispensing spray tip as in claim 1, in which said V-groove defines a V-angle of about between 15° and 30°.
5. The fluid dispensing spray tip as in claim 1, in which said passageway is in fluid communication with a nozzle outlet.

6. The fluid dispensing spray tip as in claim 5, in which said body is detachably fixed to a nozzle.
7. The fluid dispensing spray tip as in claim 1, in which said body is formed as an integral part of a nozzle.
8. A fluid dispensing spray tip comprising:
a body defining a passageway therethrough, said passageway having an inlet for receiving a pressurized fluid and terminating in a reservoir, said reservoir intersecting a V-groove formed in said body and forming an elongated aperture for dispensing the fluid therethrough.
9. The fluid dispensing spray tip as in claim 8, in which said reservoir includes a concave semispherical surface formed at an end of said passageway in said body, and said semispherical surface intersects said V-groove formed in said body to form said elongated aperture for dispensing the fluid therethrough.
10. The fluid dispensing spray tip as in claim 8, in which a pair of diverging shaping lips extend from said aperture and shape the fluid dispensed through said aperture.

11. The fluid dispensing spray tip as in claim 10, in which said pair of diverging lips are aligned with said V-groove to form a pair of continuous diverging walls extending from said semispherical surface.

12. The fluid dispensing spray tip as in claim 8, in which said V-groove defines a V-angle of about between 15° and 30° .

13. The fluid dispensing spray tip as in claim 8, in which said passageway is in fluid communication with a nozzle outlet.

14. The fluid dispensing spray tip as in claim 8, in which said body is detachably fixed to a nozzle.

15. The fluid dispensing spray tip as in claim 8, in which said body is formed as an integral part of a nozzle.

16. A fluid dispensing spray tip comprising:

a body defining a passageway therethrough, said passageway having an inlet for receiving a pressurized fluid and terminating in a reservoir, said reservoir intersecting a V-groove formed in said body and forming an elongated aperture for dispensing the fluid therethrough; and

a pair of diverging shaping lips extending from said aperture and shaping the fluid dispensed through said aperture, said pair of diverging lips being aligned with said V-groove to form a pair of continuous diverging walls extending from said reservoir.

17. The fluid dispensing spray tip as in claim 16, in which said reservoir includes a concave semispherical surface formed at an end of said passageway in said body, and said semispherical surface intersects said V-groove to form said elongated aperture for dispensing the fluid therethrough.

18. The fluid dispensing spray tip as in claim 16, in which said V-groove defines a V-angle of about between 15° and 30°.

19. The fluid dispensing spray tip as in claim 16, in which said passageway is in fluid communication with a nozzle outlet.

20. The fluid dispensing spray tip as in claim 16, in which said body is detachably fixed to a nozzle.

21. The fluid dispensing spray tip as in claim 16, in which said body is formed as an integral part of a nozzle.